

Message Text

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PAGE 01 STATE 187351

14

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----- 053427

R 290200Z JUL 76

FM SECSTATE WASHDC

TO ALL NATO CAPITALS

AMEMBASSY WELLINGTON

USMISSION EC BRUSSELS

INFO USMISSION GENEVA

AMCONSUL MILAN

UNCLAS STATE 187351

E.O. 11652: N/A

TAGS: CCMS, ENRG

SUBJECT: CCMS: RATIONAL USE OF ENERGY PILOT

-- STUDY - INTERNATIONAL INDUSTRIAL DATA

-- BASE PROJECT

REF: USNATO 3738

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PAGE 02 STATE 187351

1. THIS MESSAGE TRANSMITS AS INDICATED PARA 6, REFTEL, SUMMARIES OF FOUR TOPICS UNDER CONSIDERATION FOR WORK BY SUBJECT PROJECT WORKING GROUP. INFORMATION ON DAIRY PROPOSAL FOLLOWS SEPTTEL. FOR LONDON AND BONN: AT BRUSSELS MEETING, UK AND FRG DELEGATIONS AGREED TO PREPARE ONE-PAGE SUMMARIES OF FISH AND STARCH AND POTATO PROPOSALS RESPECTIVELY. REQUEST EMBASSY TRANSMIT SUMMARIES TO DEPARTMENT(EUR/RPM:CAMPBELL) BY CABLE AS SOON AS AVAILABLE SO THAT WE MAY PASS SUMMARIES TO OTHER ADDRESSEES BY MID-AUGUST.

I. ALUMINUM PRODUCTION

THE SCOPE OF THE PROPOSED CCMS TOPIC ON ALUMINUM PRODUCTION IS TO QUANTIFY FOR EACH PARTICIPATING COUNTRY THE ENERGY CONSUMED BY PROCESS STEP. THE MAJOR PROCESS CATEGORIES INVOLVED INCLUDE:

- 1) BAUXITE, MINING AND DRYING
- 2) BAUXITE TRANSPORTATION
- 3A) BAYER PROCESS FOR HYDRATED ALUMINUM OXIDE PRODUCTION
- 3B) PECHINATE PROCESS FOR HYDRATED ALUMINUM OXIDE
- 4) HYDRATED ALUMINUM OXIDE DEHYDRATION
- 5) TRANSPORT TO REDUCTION FACILITIES
- 6) HALL-HEROULT PROCESS FOR ALUMINA REDUCTION
 - A) ANODE PRODUCTION
 - B) CRYOLITE PRODUCTION
 - C) CATHODE PRODUCTION
 - D) HALL SALE CONSUMPTION
 - E) SODERBORG SALE CONSUMPTION
- 7) ALUMINUM REMELT AND ALLOYING OPERATIONS

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 STATE 187351

- A) PRIMARY METAL
- B) PRIMARY SCRAP
- C) SECONDARY SCRAP

8) ALLOY HEAT TREATING (SELECT TWO OR THREE ALLOYS)

- A) COIL
- B) PLATE

- C) BAR
- D) WIRE

II. BAKING INDUSTRY

THE SCOPE OF THE PROPOSED CCMS TOPIC ON BREAD PRODUCTION IS TO QUANTIFY FOR EACH PARTICIPATING COUNTRY THE ENERGY CONSUMED BY PROCESS STEP. THE MAJOR PROCESS CATEGORIES INVOLVED INCLUDE:

1) SPONGE DOUGH

- A) MIXING
- B) FERMENTATION
- C) ROUNDING
- D) PROOFING
- E) MOULDING

2) CONTINUOUS MIX

- A) MIXING
- B) BREWING AND COOLING
- C) BLENDING
- D) EXTRUSION

3) BAKING

4) COOLING

5) PACKAGE

6) DISTRIBUTION

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UNCLASSIFIED

PAGE 04 STATE 187351

III. BREWING INDUSTRY

THE SCOPE OF THE PROPOSED CCMS TOPIC ON ALUMINUM PRODUCTION IS TO QUANTIFY FOR EACH PARTICIPATING COUNTRY THE ENERGY CONSUMED BY PROCESS STEP. THE MAJOR PROCESS CATEGORIES INVOLVED INCLUDE:

- 1) GRAIN DRYING
- 2) GRAIN GERMINATION AND DRYING
- 3) MALT GRINDING AND ADDITIVES
- 4) COOKING TO LIQUIFY STARCH

- 5) MASHING
- 6) LAUTERING (FILTERING) TO SEPARATE WORT
- 7) BREWING KETTLE
- 8) FERMENTATION
- 9) WORT COOLING
- 10) STORAGE AND FILTRATION
- 11) CARBONATION
- 12) STERILIZATION
- 13) PACKAGING
- 14) SPENT GRAIN HANDLING

IV. GLASS CONTAINER PRODUCTION

THE SCOPE OF THE PROPOSED CCMS TOPIC ON GLASS CONTAINER PRODUCTION IS TO QUANTIFY FOR EACH PARTICIPATING COUNTRY THE ENERGY CONSUMED BY PROCESS STEP. THE MAJOR PROCESS CATEGORIES INVOLVED INCLUDE:
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UNCLASSIFIED

PAGE 05 STATE 187351

- 1) RAW MATERIALS HANDLING
- 2) MELTING (SIEMANS FURNACE)
 - A) MOLTEN GLASS
 - B) IMPURITIES
- 3) MOLDING
- 4) ANNEALING
- 5) PACKAGING

2. ACTION REQUESTED: PLEASE PASS MARIES TO PARTICIPATING EXPERTS LISTED PARA 3 BELOW AND/OR TO RELEVANT GOVERNMENT AGENCIES AS APPROPRIATE, FOR COMMENT BY SEPT 1. AS AGREED AT LAST PROJECT MTG (REFTEL), US PROJECT LEADER WILL IDENTIFY TOPICS FOR UPCOMING MEETING AT MILAN (NOV 8-10) BASED ON COMMENTS RECEIVED FROM EXPERTS AND/OR OFFICIALS ON THESE PROPOSALS. COMMENTS MAY BE SENT DIRECTLY TO MR. DOUGLAS HARVEY, USERDA, 20 MASSACHUSETTS AVE,

NW, WASHINGTON, D.C., OR THROUGH DEPT (EUR/RPM:CAMPBELL),
AS EMBASSY PREFERS.

3. FOR LONDON, THE HAGUE, BONN, ROME, OSLO, USEC, USNATO:
EXPERTS ATTENDING BRUSSELS MTG WERE:

LONDON

FRED ROBERTS - ENERGY TECHNOLOGY SUPPORT UNIT, HARWELL
K.S.B. ROSE - " " " " "
D. HARRIS - " " " " "
K.C. SALOOJA--ESSO RESEARCH, ABINGDON

THE HAGUE

W.VAN GOOL - NATIONAL STEERING GROUP FOR ENERGY RESEARCH
P.H. BOTTELBERGHS - " " " " " "

G. SCHUUR - SHELL RESEARCH, AMSTERDAM
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PAGE 06 STATE 187351

BONN

DIETER HOFFMANN - ECON MIN
MART BURGDORF - ASSOC. GERMAN CHEMICAL INDUSTRY
BRUNO WAHL - FICHTNER BERATENDE INGENIEURE
WALTER FLASCHAR - T U MUENCHEN
ULRICH WERSCHRITZKY
ROME

LEONARDO BIONDI - MONTEDISON MILAN
AURELIO PALAZZI - CENTER FOR METALLURGICAL RESEARCH, ROME

OSLO

SVEIN KNUTSEN - MIN OF ENVIRONMENTAL AFFAIRS

EC BRUSSELS

ROBERT VAN CAMPENHOUT - EC COMMISSION DIRECTORATE FOR
-- RESEARCH SCIENCE AND EDUCATION
HERMAN EHRINGER - EC COMMISSION DIRECTORATE GENERAL FOR
-- RESEARCH SCIENCE AND EDUCATION
ERNST ROMBERG - (SAME AS EHRINGER)

USNATO

C.W. DOVEY - EMBASSY OF NEW ZEALAND (BRUSSELS)
DON K. HUNN - " " " " "

4. FOR USNATO: PLEASE PASS ALL ALLIED DELEGATIONS

5. FOR WELLINGTON: PLEASE PASS APPROPRIATE TO APPROPRIATE
AGENCY, NOTING THAT USNATO HAS ALSO PASSED SUMMARIES
TO EMBASSY OF NEW ZEALAND (BRUSSELS), PARA 3 ABOVE.

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